

## **ABSTRACT OF THE DISCLOSURE**

To automatically set an optimal signal level of an ambient sound according to earphone type even in the case where either of both-ear mount type and single-ear mount type earphones is mounted to a telephone set main body unit, and to recognize the ambient sound even in the case where a stereo headphone almost covering ears is used.

A hand held telephone set used by connecting a both-ear mount type or single-ear mount type earphone or thereto is provided with: a telephone set main body unit; detection means for detecting which of these earphones and is mounted to the telephone set main body unit; an amplifier for amplifying an ambient sound to be delivered to these earphones and; and a control device for controlling a signal level of the ambient sound output from this amplifier according to an output of the detection means. When either of these earphones and is mounted, the control device controls the signal level of the ambient sound output from the amplifier to be fed back according to an output of the detection means.